

Dr. Samantha Siedlecki

As an oceanographer, Dr. Siedlecki focuses on coastal regions where she implements numerical simulations to investigate and identify processes within that environment responsible for the biogeochemical dynamics in both the modern and future oceans. She received her PhD from the University of Chicago where she focused on largely on theoretical systems of the ocean. As a postdoctoral fellow at JISAO at the University of Washington, she began simulating Washington and Oregon waters using realistic simulations of ocean acidification variable and hypoxia developed as part of the Coastal Modeling Group there. At JISAO, she extended that work to include seasonal (J-SCOPE) and short term (LiveOcean) forecasts. Now an assistant professor at the University of Connecticut, she has begun exploring regional climate projections of ocean conditions on both the west and east coast of the US. Through work with colleagues on the west coast as well as new collaborators part of the Early Career Faculty Innovators Program at NCAR, she is partnering with social scientists to bring these tools into decision making frameworks.